

## **APPARATUS AND METHOD FOR REAL-TIME POWER DISTRIBUTION MANAGEMENT**

### **ABSTRACT OF THE DISCLOSURE**

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One embodiment disclosed relates to an apparatus for supplying  
redundant power to a plurality of computer systems. The apparatus includes at  
least one bus bar, a plurality of power supplies each supplying power at a same  
voltage level, a plurality of power switches, and a power supply management  
10 controller. Power inputs of the computer systems are connected to the at least  
one bus bar. The power supplies are selectively connected to the at least one  
bus bar using the power switches. The power supply management controller  
controls the power switches such that the power is supplied redundantly to the  
computer systems.

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